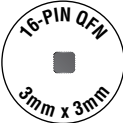


TINY I/O EXPANDERS HAVE 240-STEP PWM BRIGHTNESS CONTROL FOR RGB LEDs

Low Standby Current and Small Size for Portable Applications

- ◆ Low 1 μ A (typ) Standby Current
- ◆ All Ports Can Sink 50mA Continuous Current
- ◆ Available in Space-Saving Packages
 - ◆ TQFN
 - 3mm x 3mm (16-Pin)
 - 4mm x 4mm (24-Pin)
 - ◆ QSOP
 - ◆ TSSOP



The MAX7313–MAX7316/MAX6964*/MAX6965 drive from 8 to 18 LEDs. They feature an integrated 240-step PWM brightness control to drive RGB LEDs or white LED backlights with global and individual dimming control. LED blink control is standard, and I/O reset is available on select devices. The MAX7313–MAX7316 have I/O capability on each port and interrupt output upon transition detect (optional on some devices). The MAX6964 and MAX6965 are optimized for LEDs with output only, 7V-tolerant ports. Available in tiny QFN packages and with low standby current (1.2 μ A, typ), these parts are ideal for portable or space-constrained applications.

Part	No. of Ports	I/O Port Tolerance (V)	Interrupt	Reset	Blink	Pin-Package
MAX7313	16	5	Yes	-	-	24-QFN, 24-QSOP
MAX7314*	18	5	Yes	Yes	Yes	24-QFN, 24-QSOP
MAX7315	8	5	Yes	-	-	16-QFN, 16-QSOP, 16-TSSOP
MAX7316	10	5	Yes	Yes	Yes	16-QFN, 16-QSOP, 16-TSSOP
MAX6964*	17/GPO	7	—	Yes	Yes	24-QFN, 24-QSOP
MAX6965	9/GPO	7	—	Yes	Yes	16-QFN, 16-QSOP, 16-TSSOP

*Future product—contact factory for availability.



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